

SLOBODSROF, IA. Ta., ed.

Economy and replacement of non-ferrous metals; Soviet and foreign literature of 1932-1939. Foskva, Gos. izd-vo mauchno-tekhn. lit-ry po chernoi i tsvetnoi metallurgii, 1940. (Mic 53-476)
Microfilm copy.

Microfilm TS-10

RYSS, Iosif Grigor'yevich, professor, doktor khimicheskikh nauk; SLOHODSKOY, Ys. Va. redaktor; SHPAK, Ye. G. tekhnicheskiy redaktor

[The chemistry of fluorine and its inorganic compounds] Ehimim ftorm i ego neorganicheskikh soedinenii. Moskva, Gos. nauchno-tekhn. izd-vokhim. lit-ry. 1956. 718 p.

(Fluorine)

SLOBEDSKOY, YA YA.

ATTHORS :

Chizhikov, D. M., Corresponding Member

20-3-46/59

of the Academy, Slobodskoy, Ya. Ya.,

Tsvetkov, Yu. V.

TITLE:

Note on the Catalytic Action of Zinc on the Decomposition

of Carbon Oxide (O kataliticheskom deystvii tsinka na razlozheniye

okisi ugleroda).

PERIODICAL: Doklady Akademii Nauk, 1957, Vol. 115, Nr 3, pp. 586-587 (USSR).

ABSTRACT:

It is well known, that at 900°C the decomposition of CO becomes thermodynamically possible. Without an catalysator, however, it does not take place, practically, because of the tight combinations of the carbon- and oxygen atoms in the CO molecule. A number of papers proved, that metal oxydes do not catalyse this reaction, but some metals (Fe, Ni, Co, Cr) act as catalysators, in particular, if they are produced in active form by reduction. References are contradic= ting with respect to zinc having any effect. This question of the influence of zinc has a great practical importance. There are known, for example, destructions in the upper parts of furnaces, which occured on the smelting of ores with a little zinc content. This formation of zinc oxide in the pores of the furnace coating can also take place in the pyrometallurgy of zinc. In this case the oxidation of zinc leads to a reduction in the production rate of liquid zinc

Card 1/2

SIOBODSKOY, Ya.Ya.

To improve the methods of testing petroleum products and the sanitary conditions in laboratories. Thim.i tekh.topl.i masel 5 no.8:71 Ag '60. (MIRA 13:8)

1. Institut okhrany truda Vsesoyuznogo tsentral nogo soveta profsoyuzov.

(Petroleum products)
(Testing laboratories--Sanitation)

BEKIROV, M.; GOLUBKOV, V., kand.tekhn.nauk; SLOBODSKOY, Ye.; SHEKHOVTSOV, V., inzh.

Correcting the pitch of a smokestack under diffucult circumstances. Prom.stroi. i inzh. soor. 4 no.4:34-36 Jl-Ag '62. (MIRA 15:9)

1. Glavnyy inzh. tresta "Odespromstroy" (for Bekirov).
2. Glavnyy inzh. stroitel'no-montazhnogo upravleniya No.1 tresta "Odespromstroy" (for Slobodskoy).

(Chimneys)

SLOBODSKOY, Yu.Ya.

Rare complication due to a foreign body in the external auditory meatus. Zhur. ush., nos. i gorl. bol. 22 no.1:84 Ja-F '62.

(MIRA 15:5)

1. Iz otdeleniya bolezney ukha, gorla i nosa (zav. - B.M.Shneyder) Grodenskoy oblastnoy bol'nitsy.

(EAR-FOREIGN BODIES)

SIDEODU, D.

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees: Engineer

Affiliation: -not given-

Source: Bucherest, Stiinta si Tehnica, No 6, Jun 1961, pp 2-4.

Data: "23,000 Kilometers of High Tension Lines."

KUPRIY, O.M.; SLOBODYAN, D.I.; VAYNTRUB, V.K.

APPROVED FOR RELEASE (08/25/2000 ng wella Represo do 1651330006-6" lip and binding. Leh.prom. no.1:16-19 Ja-Mr '62. (MIRA 15:9)

1. Kiyevskaya obuvnaya fabrika No.4.
(Kiev--Shoe industry--Equipment and supplies)

AEKIN, B.V., inzh.; LOSEV, A.S., inzh.; SOFRYGIN, P.V., inzh.; SLOBODYAN, I.P., inzh.; TSYUPA, F.P., inzh.

Start of the leading PK-47 boiler. Elek. sta. 35 no.9:2-5 S '64.

(MIRA 18:1)

A CONTRACTOR OF THE PROPERTY O

Materials on the study of natural distribution of the European spruce in the Ukrainian Polesye. Ukr. bot. zhur. 19 no.4: 79-83 '62. (MIRA 15:9)

1. L'vovskaya ekspeditsiya "Lisproyekt". (Polesye-Spruce)

SLOROGYAN, M.P.

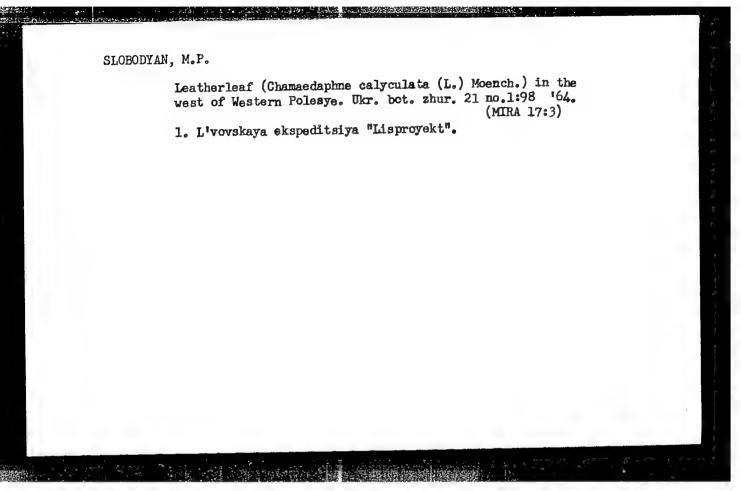
Striy of the natural distribution of hornheam (Carpinus betulus L.)
in Chernigov Province, Ukrainian S.S.R. Ukr. bot. zhur. 20 no.4;
73-79 '63.

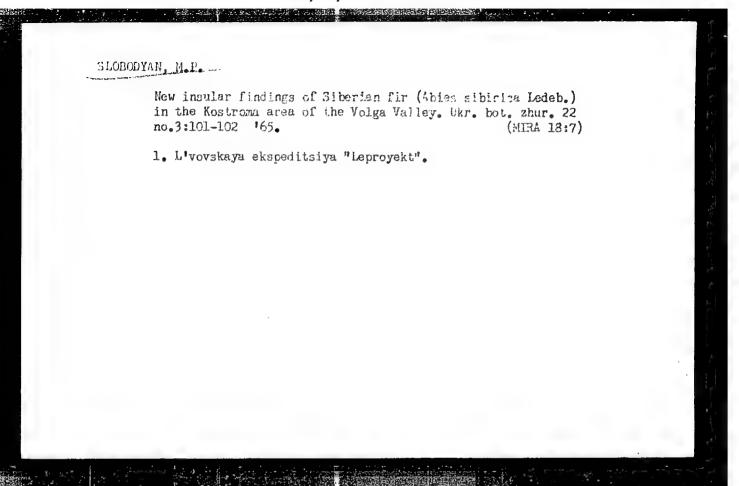
1. L'vovskaya ekspeditsiya "Lisproyekt".

SLOBODYAN, M. P ...

Notes on the natural occurrence of some species of vascular plants in the Chernigov Polesye. Ukr. bot. zhur. 20 no. 5: 68-75 163. (MIRA 17:5)

1. L'vovskaya ekspeditsiya "Lisproyekt".





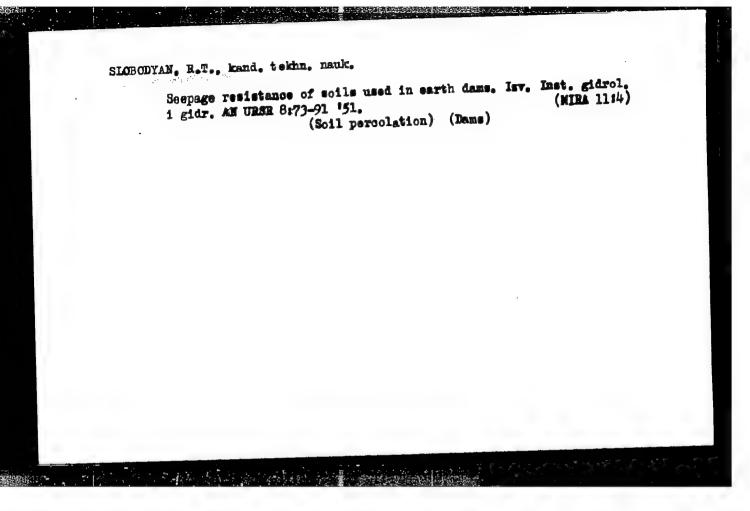
SLOBODYAN, M.P.

Two introduced species of woody plants becoming wild in the north of Polesye within the boundaries of Volyn' Province, Ukrainian S.S.R. Ukr. bot. zhur. 22 no.2:105-106 '65. (MIRA 18:4)

l. L'vovskaya ekspeditsiya "Lisproyekt".

Slobodyan, R. T.- "Regarding the calculation fo filtration in earth dams", Izvestiya In-ta gidrologii i gidrotekhniki (Akad. nauk Ukr. SSR), Vol. IV, 1948, p. 66-74, (In Ukrainian, resume in "ussian), - Bibliog: 8 items.

SO: U-3042, 11 barch 1953, (letopis 'nykh Statey, No. 10, 1949).

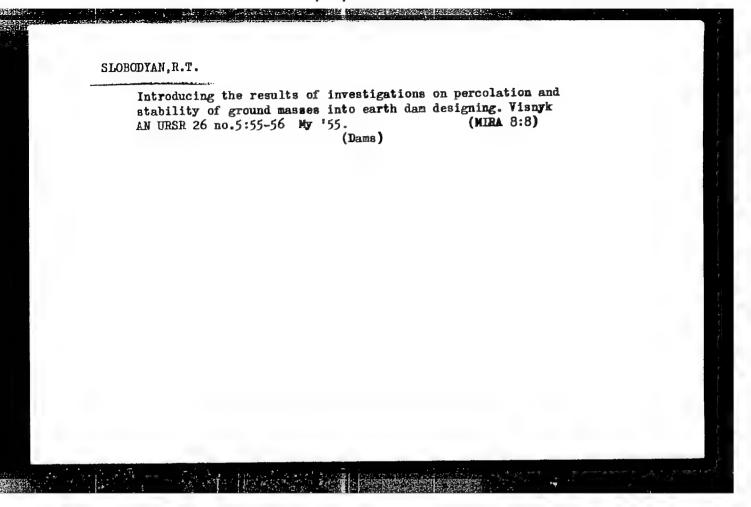


SLOBODYAN, R.T. [Slobodian, R.T.], kand. tekhn. nauk.

Calculating the seepage of earth dams. Trudy GGI no.37:56-74 '53.

(Dams)

(MIRA 11:6)



SOV/124-57-5-5986

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 141 (USSR)

AUTHOR: Slobodyan, R. T.

Analyzing the Stability of the Embankments of Earth Dams by the V. TITLE: V. Sokolovskiy Method (Primeneniye metoda V. V. Sokolovskogo dlya

rascheta ustoychivosti otkosov zemlyanykh plotin)

Izv. In-ta gidrol. i gidrotekhn. AN UkrSSR, 1956, Vol 14 (21), PERIODICAL:

pp 76-88

ABSTRACT: The author examines dams whose crest widths are of the order of 3-4

times the dam height, when the effect of the finiteness of the crest widths can be neglected. The author's purpose is to evaluate the influence which the prevailing seepage forces and the inhomogeneity of the medium of loose material exerts upon the shape of an embankment as calculated by V. V. Sokolovskiy's limiting-state method [Statika sypuchey sredy (The Statics of a Medium of Loose Material). Izd-vo AN SSSR, 1942]. Examined first is the effect of the seepage pressure; the seepage forces, for the moment, are lumped together

with and viewed as part of the total internal body forces acting on the

Card 1/2 embankment. Seepage rates were determined

CIA-RDP86-00513R001651330006-6"

APPROVED FOR RELEASE: 08/25/2000

SOV/124-57-5-5986

Analyzing the Stability of the Embankments of Earth Dams (cont.)

with an electrohydrodynamic analog simulator. The calculations showed that the seepage forces do affect substantially the shape of an embankment; in the example which the author adduces, for instance, the slope at the foot of an embankment through which seepage is occurring was found to be only half the slope at the foot of a completely dry embankment. The author adduces further examples to show that the variations with ground depth in the density, internal friction, and cohesive strength of the soil represent a factor of equal significance. In all the calculations the author uses finite-difference equations in place of partial differential equations. It is the author's opinion that, when the suggested refinements in the terms representing the soil characteristics are made and the suggested procedure for allowing for the seepage forces is employed, the Sokolovskiy method "can be safely recommended for use in analyzing the stability of the embankments of earth dams subjected to elevated hydraulic pressure heads."

G. S. Shapiro

Card 2/2

Studying critical pressure gradients of filtration streams in soils for hydraulic engineering purposes. Izv. Inst. gidrol. i gidr. AN URSR 15:91-100 '59. (MIRA 12:9) (Soil percolation)

SHVETS, G.I. [Shvets', H.I.]; ZIL'BAN, M.S.; KOBERNIK, S.G. [Kobernyk, S.H.]; OLEYNIK, A.Ya. [Oliinyk, O.IA.]; PIVOVAR, N.G. [Pyvovar, M.H.]; ROZOVSKIY, I.L. [Rozovs'kyi, I.L.]; SLOBODIAN, R.T.; DIDKOVSKIY, M.M. [Didkovs'kyi, M.M.], kand.tekhn.nauk, otv.red.; KRENTSEL', Sh.G. [Krentsel', Sh.H.], red.-leksikograf; SHIKAN, V.L., red.izd-va; BUNIY, R.O., tekhn.red.

[Russian-Ukrainian hydraulic-engineering dictionary; 13000 terms]
Russko-ukrainskii gidrotekhnicheskii slevar'. 13000 terminov. Kiev,
Izd-vo Akad.nauk USSR, 1960. XIV, 192 p.

(Hydraulic engineering-Dictionaries)

(Hydraulic engineering-Dictionaries) (Russian language-Dictionaries-Ukrainian)

OLIYNIK, O.Ya. [Oliinyk, O.IA.], kand.tekhn.nauk; SLOBODYAN, R.T., kand.tekhn.

Observations in situ on seepage around the abutments of earth dams of the Kakhovka hydroelectric power center on the right and left banks. Vitsi Inst.gidrol.i gidr.AN URSR 18:103-112 '61. (MIRA 15:3)

(Kakhovka Reservoir-Seepage)

ARISTOVSKIY, Valer'yan Valer'yanovich[Arystovs'kyi, V.V.], doktor tekhn. nauk; SLOBODYAN, Roman Tikhonovich, kand. tekhn. nauk. Prinimal uchastiye GARKAVI, O.Ya. [Harkavi, O.IA.], mladshiy nauchnyy sotr.; DIDKOVSKIY, M.M.[Didkovs'kyi, M.M.], kand. tekhn. nauk, otv. red.; REVERA, O.Z., kand. geog. nauk, nauchnyy red.; DAKHNO, Yu.M., tekhn. red.

[Resistance of the shores of the Kakhovka Reservoir to damage by landslides and settling] Stiikist' berehiv Kakhovs'koho vodoskhovyshcha, shcho zaznaiut' zsuvnykh ta prosadochnykh deformatsii.

Kyiv, Vyd-vo Akad. nauk URSR, 1962. 145 p. (MIRA 15:6)

(Kakhovka Reservoir—Shorelines)

OLEYNIK, A.Ya., kand.tekhn.nauk; SLOBODYAN, R.T., kand.tekhn.nauk

Some results of actual observations of seepage at the Kakhova
hydroelectric development. Gidr.stroi. 32 no.9:4-7 S 162.

(MIRA 16:2)

(Kakhova Hydroelectric Power Station—Soil percolation)

SLOBODYAN, V.

Radio Clubs

In the radio circle of the Regional Committee of the All-Union Voluntary Society for Assistance to the Army, Aviation and Navy. Radio, No. 4, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

SLOBODYAN, V., (Terebowlya Ternopol'skoy oblasti).

Usoful advice. Radio no.6:15 Je '53. (Madio-Stations)

(Radio-Stations)

Simbodyan, v.I., inzh.; GOPENKO, S.V., inzh.

S'amdard fittings for industry and shipbuilding, Rech.transp.
18 no.11:39-40 N '59. (MHA 13:4)

(Pipe fittings)

Standard pipeline fittings for industry and shipbuilding.

Standard pipeline fittings for industry and shipbuilding.

Sudostroenie 25 no.10:51-53 0 159. (MIRA 13:2)

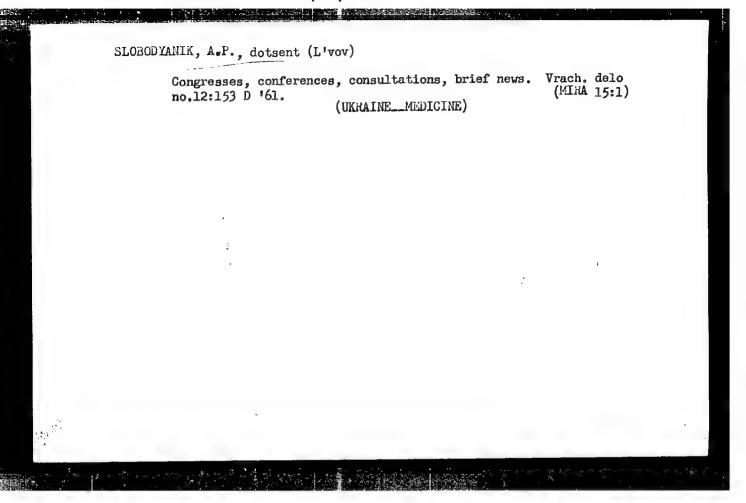
(Marine engineering) (Pipe fitting)

SLOBODYAN, Yu.S.

Four-dimensional Riemann spaces admitting of families of three-dimensional fully geodesic surfaces. Dop. AN URSR no.4:410-412 '65. (MIRA 18:5)

The last of the second second

1. Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR.



SIGEODYAMIK, Aleksandr Pavlovich, dots.; CHUCHUPAK, V.D., tekhn.
red.

[Psychotherapy, suggestion, hypnosis] Psikhoterapiia, vmushenie,
gipnoz. Kiev, Gosmedizdat URSR, 1963. 348 p. (MIRA 16:10)
(PSYCHOTHERAPY) (THERAPEUTICS, SUGGESTIVE)
(HYPNOTISM—THERAPEUTIC USE)

TSELIKOV, Aleksey Ivanovich; SLOBODYANIK, Aleksey Petrovich; VOLODIN, P.A., red.; MOROZOVA, G.V., red.izd-va; TRUKINA, Ye.L., khud.-tekhn.red.

[Novokuybyshevsk; housing and public construction] Novokuiby-shevsk; zhilishchno-grazhdanskoe stroitel'stvo. Pod red.
P.A.Volodina. Moskva, Gos.izd-vo lit-ry po stroit., arkhit.
i stroit.materialam, 1961. 94 p.
(Novokuybyshevsk--City planning)

SLOBODYAMIK, A.Z., inzh.-mayor

Operation of equipment and instruments on hydroplanes.

Mor. sbor. 48 no.2:65-69 F 165. (MIRA 18:11)

SLOBODYANIK, A.Z., inzhener-mayor

Volunteer design bureau. Vest.Vzd.Fl. no.2:58-59 F '61.

(MIRA 14:7)

(Aeronautics, Military--Technical innovations)

SLOBODYANIK, G. [Slobodianyk, H.], doktor tekhn.nauk, prof.; RUBINOVICH, Ye. [Rudynovych, E.], inzh.; LISINA, N. [Lysyna, N.], inzh.; DOROFEYEVA, K. [Dorofieieva, K.], inzh.

Replacing the lime in cement building mortars with local additives.

Bud. mat. i konstr. 4 no.1:44-45 Ja-F *62. (MIRA 15:7)

(Mortar)

SLOBODYANIK, G.Ya. [Slobodianyk, H.IA]; DOROFEYEVA, K.V. [Doroficieva, K.V.]

Investigation of pelicanite granites as used in the production of building materials. Dop.AN URSR no.5:659-662 '60. (MIRA 13:7)

1. Kiyevskiy inzhenerno-stroitel'nyy institut. Predstavleno akademikom B.S.Lysinym]. (Cimolite)

SLOBODYANIK, I. [Slobodianyk, I.], kand.tekhn.nauk; RUBINOVICH, Ye.

[Rubinovych, IE.], inzh.; LISINA, P. [Lysina, P.], inzh.;
DOROFEYEVA, K. [Dorofleieva, K.], inzh.

Locally mined lime for mortars. Sil*.bud. 11 no.11:14-15 N '61.

(Wraine--Lime)

SLOBODYANIK, I. [Slobodianyk, I.]; BIDNA, L., assistent

Lightweight concrete and heat insulating materials from agricultural wastes. Sil'.bud. 13 no.10:14 0 '63. (MIRA 17:3)

1. Zaveduyushchiy kafedroy stroitel'nykh materialov Kiyevskogo inzhenerno-stroitel'nogo instituta (for Slobodyanik). 2. Kafedra stroitel'nykh materialov Poltavskogo inzhenerno-stroitel'nogo instituta (for Bidna).

ZHUKOV, A.V., kand. tekhn. nauk; SARTAKOV, Yu.A., inzh.; SLOBODYANIK, I.I., inzh.

Industrial use of heat insulating materials from bloated perlite Stroi. mat. 11 no.1:26-27 Ja '65. (MIRA 18:6)

SLOBODYANIK, I. P. Cand Tech Sci -- (diss) "Study of the process of chemical absorption CO₂ by solutions in NaOH and KOH in Justice ." Mos,1957. 14 pp with diagrams 22 cm. (Min Higher Education USSR. Mos Order of Lenin Chem Engineering Inst im D.I. Mendeleyev). 120 copies. (KL, 23-57, 114)

≥89=

KASATKIN, A.G.; KAFAROV, V.V.; SLOBODYANIK, I.P.

Study of the chemical sorption process of CO₂ by MaCH and KOH solutions in a packed column. Trudy MERTI no.24:389-404 '57.

(Sorption) (Carbon dioxide) (MIRA 11:6)

SLOBODYANIK, I.P.; KASATKIN, A.G.; KAFAROV, V.V.

Calculation of packed columns under condititons of chemisorption.

Izv.vys.ucheb.zav.; khim.i khim.tekh. 2 no.6:956-961 '59.

(MIRA 13:4)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva. Kafedra protsessov i apparatov. (Packed towers)

SLOBODYANIK, I.F.

Method for analyzing the operation of packed extraction columns. Izv. vys. ucheb. zav.; pishch. tekh. no.3:111-115 '60. (MIRA 14:8)

l. Krasnodarskiy institut pishchevoy promyshlennosti, Kafedra protsessov i apparatov.

(Extraction apparatus)

20 105 s/153/60/003/02/30/034 B011/B006

5.1105 AUTHORS: Slobodyanik, I. P., Kasatkin, A. G., Kafarov, V. V.

Influence of Hydrodynamic Conditions on Chemosorption in

Checker Columns

TITLE:

Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1960, Vol. 3, No. 2, pp. 369-374

TEXT: The authors found that the papers published on investigations of PERIODICAL: chemosorption all refer to special cases, and that the results obtained are therefore not valid for other conditions. The present paper is an investigation of the effect of flow rates of the solution and the gas on the rate of chemosorption. The absorption of CO2 by NaOH and KOH in a

checker column was used as an example. To render a comparison between their data and those of other investigators possible, the authors also their data and those of other investigators possible, and authors also evaluated; their data basing on the volume coefficients Kg of absorp-

tion. Fig. 1 gives a scheme of the experimental apparatus. Experiments were carried out at 17-19°. Fig. 2 shows the dependence of the rate of

Card 1/3

36535

Influence of Hydrodynamic Conditions on Chemosorption in Checker Columns

S/153/60/003/02/30/034 B011/B006

CO2 absorption by KOH solutions on the rate of gas flow at a constant rate of flow of the solution L = 153 kg/h. The maximum absorption rates with respect to gas (1) and with respect to the solution (2) were calculated by means of the corresponding equations. As is shown in Fig. 2, the absorption rate increases practically linearly with an increase in the gas rate up to the point of beginning emulsification. Thereafter, it increases rapidly until complete emulsification occurs. In order to clarify the influence of the flow rate of the solution on the rate of absorption, the gas rate, the CO2 content in the gas at its entrance into the column, and the initial concentration of the NaOH- and KOH solutions were maintained constant. The rate of CO2 absorption by NaOH solutions as a function of the rate of flow of the solution is illustrated in Fig. 3. For a comparison, the results given in Ref. 2 are represented in Fig. 4. As is evident from the diagrams, the rate of CO2 absorption by NaOH solutions is influenced more strongly by the rate of the solution than by the gas rate (before the occurrence of emulsification). The highest

Card 2/3

X

SLOBODYANIK, I.P.; KASATKIN, A.G.; KAFAROV, V.V.

Rate of adsorption of CO₂ by NaOH solutions in a packed column in an emulsifying state. Part 3. Izv.vys.ucheb.zav.;khim. i khim.tekh. 3 no.3:534-539 '60. (MIRA 14:9)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva, kafedra protsessov i apparatov.

(Packed towers) (Absorption) (Carbon dioxide)

S/153/60/003/004/033/040/XX B020/B054

AUTHORS:

Slobodyanik, I. P., Kasatkin, A. G., Kafarov, V. V.

TITLE:

IV. Rate of CO2 Absorption by Films of NaOH Solutions in

Packed Towers

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1960, Vol. 3, No. 4,

pp. 731 - 736

TEXT: Earlier investigations (Ref.1) gave the data required for calculating the absorption processes of CO₂ in NaOH solutions in packed

towers under emulsifying conditions. Fig.1 shows the dependence of the absorption rate of CO_2 in NaOH solutions on the velocity of the solu-

tion under various hydrodynamic conditions at L/G = const, and α = const (L is the velocity of the solution (kg/h), G that of the gas (kg/h), and α the equivalence coefficient). The diagram shows that the relation between the absorption rate and the velocity of the solution (of the gas)

Card 1/4

S/153/60/003/004/033/040/XX

IV. Rate of CO, Absorption by Films of B020/B054 NaOH Solutions in Packed Towers $G_{A.em} = 0.619.L_{em}.d_{e}^{-0.585} H^{0.8}\alpha^{0.9} C_{in}^{1.16}$ (7), where H is the height of the filling body, Cin the initial concentration of the NaOH solution. and de the equivalent diameter of the filling body. The absorption rate of CO2 in NaOH solutions in a packed tower under any hydrodynamic conditions can be calculated from equations (5), (6), and (7). To confirm the accuracy of the equations derived, the authors calculated the absorption rate for more than 150 results given in publications (Refs.2,3). Fig. 2 compares the calculated results with the experimental ones. Fig. 3 compares the experimental values of the absorption rate determined in the gaseous and liquid phases by I. B. Tepe and B. F. Dodge (Ref.2). The method suggested for analyzing the chemisorption processes permits a calculation of chemisorption processes in packed towers over a wide range of process conditions. There are 3 figures and 6 references:

Card 3/4

2 Soviet and 4 US.

IV. Rate of CO, Absorption by Films of

S/153/60/003/004/033/040/XX B020/B054

NaOH Solutions in Packed Towers

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva, kafedra protsessov i apparatov (Moscow Institute of Chemical Technology imeni

D. I. Mendeleyev, Department of Processes and Apparatus)

SUBMITTED:

September 11, 1958

Card 4/4

SLOBODYANIK, I. P.

"A New Method of Analisis of Chemical Sorption Processes in Filling Columns."

Report submitted for the Conference on Heat and Mass Transfer, MINSK, BSSR, June 1961.

SLOBODYANIK, I.P.

Evaluation of the efficiency of diffusers. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:130-135 61. (MIRA 14:5)

1. Krasnodarskiy institut pishchevoy promyshlennosti. Kafedra protsessov i apparatov. (Diffusers)

CIA-RDP86-00513R001651330006-6" APPROVED FOR RELEASE: 08/25/2000

SLOBODYANIK,	I.P.
Propoprimized	

Analyzing the performance of packed rectification columns. Izv. vys.ucheb.zav.; pishch.tekh. no.3:129-133 62. (MIRA 15:7)

l. Krasnodarskiy institut pishchevoy promyshlennosti, kafedra protsessov i apparatov.

(Mass transfer) (Packed towers)

SLOBODYANIK, I. P.; GASHKEVICH, V. B.

"Hydraulic test of a laminated plate with liquid-phase recirculation."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Krasnodarskiy Inst of Food Ind.

ACC NR. AP6018953

(A)

SOURCE CODE: UR/0322/66/000/001/0164/0169

AUTHOR: Slobodyanik, I. P.; Gashkevich, V. B.

ORG: Krasnodar Polytechnic Institute (Krasnodarskiy politekhnicheskiy institut)

TITLE: Investigation of mass exchange on a layered plate with liquid phase recirculation

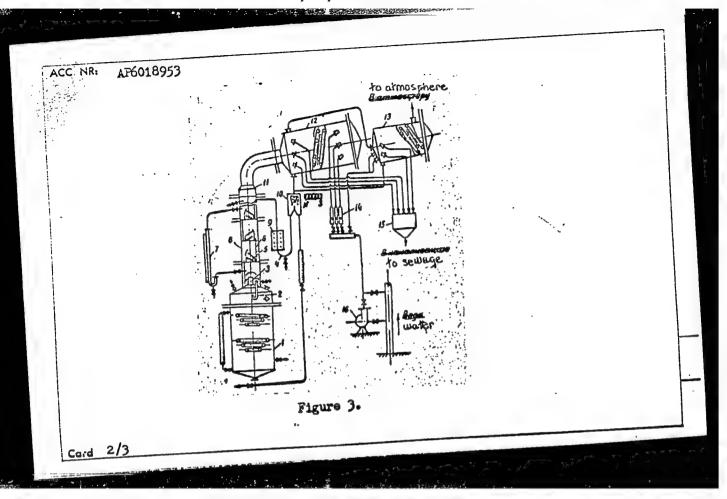
SCURCE: IVUZ. Pishchevaya technologiya, no. 1, 1966, 164-169

TOPIC TAGS: fractional distillation, liquid air fractionates, heat transfer

ABSTRACT: The efficiency of a distillation plate previously described by the authors was determined for desorbing oxygen from water and fractionating methanol-water mixtures. The column arrangement shown in the figure (see Fig. 3) was used for the latter.

Card 1/3

UDC: 66.048.375.021.3

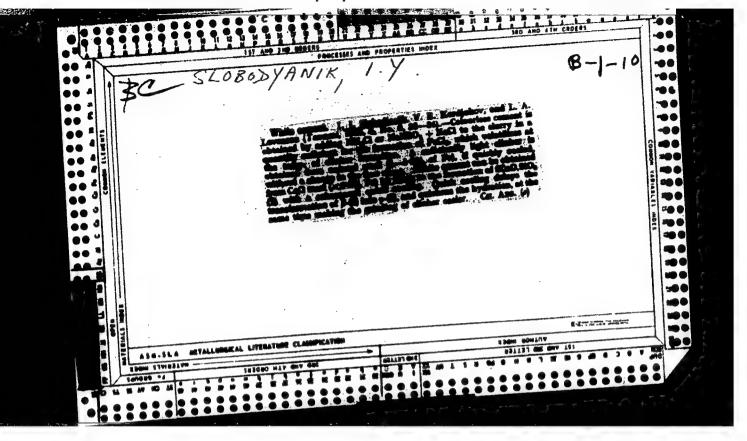


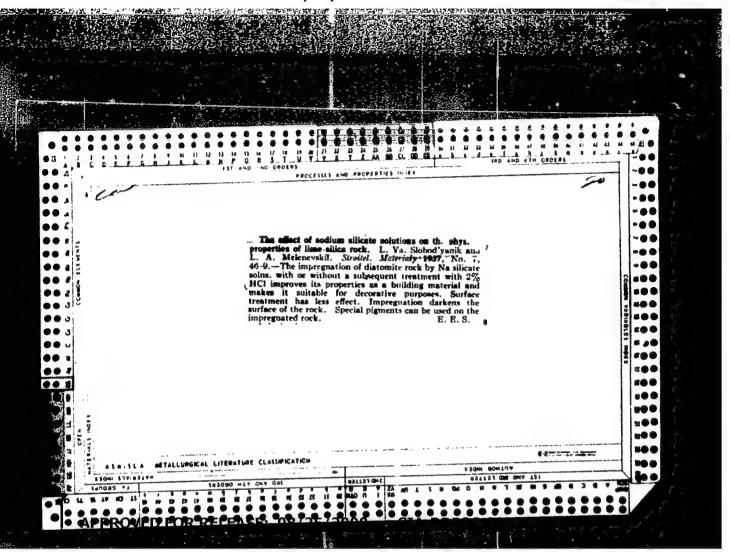
ACC NR: AP6018953

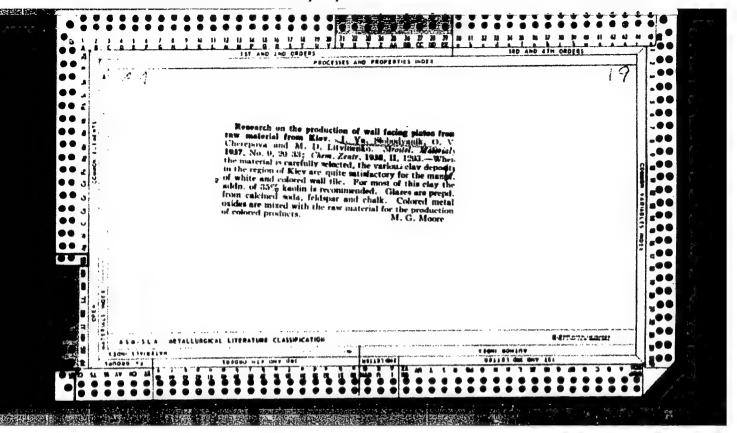
Vapors from the steam coil heated still 1 are admitted to the column through outlet 3. The column, made up of flanged cylinders 8, contains three plates 5 (250 mm in diameter 300 cm apart, inclined 18°), overflow pipes 6 and connecting pipe 2 to the still, and manometer 7. Vapors proceed through cylinder 11 to reflux condenser 12, provided with separator 10 for returning distillate to the still and to reflux through water seal 4 separator to for returning distillate to the still and to relieve through water seal 4 past the electric heater 9 to the top of the column. Uncondensed vapors from reflux past the electric heater 7 to the top of the contains contained about 12° to the horizontal). The condenser is open to the atmosphere. Condensed water goes from the main line through a RS-7 type rotometer 14 to collector 15 and on to the sewer. The 3K-6 centrifugal pump 16 is used for pumping cooling water to the fractionating column and condenser. Plate efficiency of 80-85% was attained with vapor velocities of about 2 m/sec through the column. The stability of the high values for plate efficiency and mass transfer coefficients indicates that this plate construction, which offers minimum hydraulic resistance, is suitable for fractionating gas-liquid systems, especially where the thermal instability of the materials usually requires vacuum fractionation. Orig. art. has: 5 figures and 6 equations.

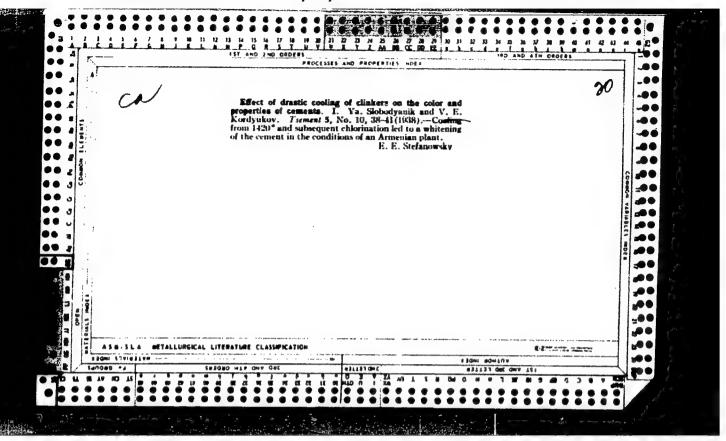
SUB CODE: 13/ SUBM DATE: 19Feb65/ ORIG REF: 008/ OTH REF: 001

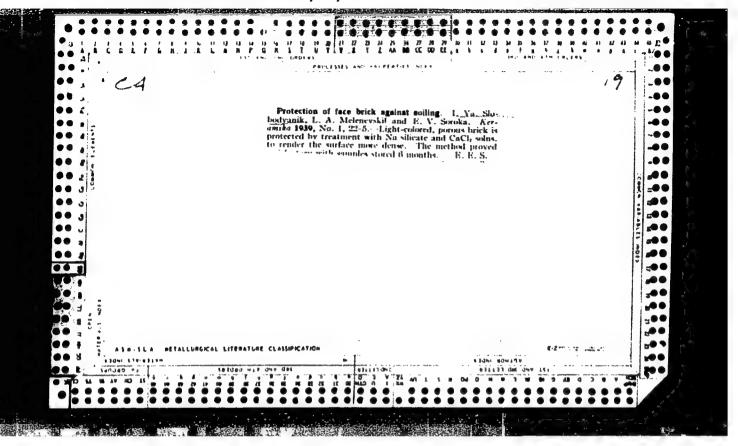
Card 3/3

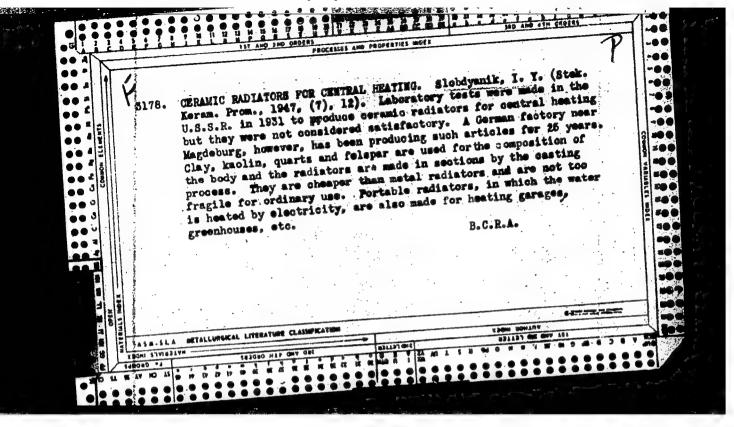












SLOBODYANIK, I. YA.

HELOKHVOSTIKOVA, V. I. - nauchn. sotr. i, SLCHODYANIK, I. YA. - Kand. tekhn. nauk.

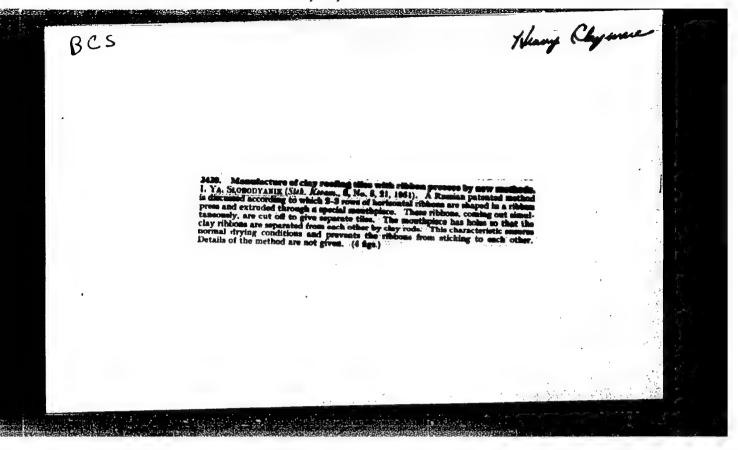
Institut stroitel'nykh materialov Akademii arkhitektury USSR

POLUCHENIYE MOLOTOY GIDRAVLICHESKOY IZVESTI IZ FIL®TRPRESSNOY GRYAZI SAKHARNYKH ZAVODOV Page 105

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950, Moscow, 1951

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651330006-6



Storo MANIK, I.YA.

Committee on their entries for the Joursi of Ministern DOTA; in the fields of their each intentions concern that the following scientific works, popular scient to process and textucous never been sometimed for competition for Stalio Frizes for the each to and ittle (Remetskaya Rultura, Moscow, Sc. Piest, 20 Pet - 3 Apr 1954)

Textb#

Title of work

Nestinated by

Slobodyanik, I.Ya.

"Construction Materials" (in Ukrainian, textbook)

Kiev Construction Engineering Institute

THE CONTRACT THE STATE

MUSIYENKO, P.N.; SLOBODYANNIK, I., spetsial'nyy redaktor; IMAS, R., redaktor; GARSHANOV, A., tekhnicheskiy redaktor.

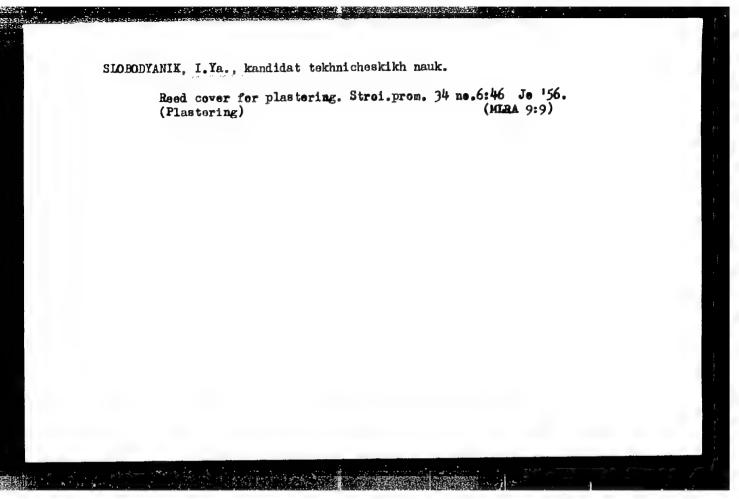
[Geramics in architecture and construction; methods for the artistic design of ceramic elements] Keramika v arkhitekture i stroitel'stve; metody khudoshestvennogo oformleniia keramicheskikh izdelii. Kiev, Izd-vo Akademii arkhitektury Ukrainskoi SSR, 1953.

[Microfilm] (MIRA 7:10)

(Ceramics)

SIOBODYANNIK, I.Ya., kandidat tekhnicheskikh nauk; TUROVSKIY, B., redaktor; GARSHANOV, A., tekhnicheskiy redaktor

[Obtaining hydraulic data from filter press silt] Poluchenie gidravlicheskoi izvesti iz fil*trpressnoi griazi. Kiev. Izd-vo Akademii arkhitektury USSR. 1951. 21 p. [Microfilm] (MLRA 10:2) (Filter presses)



SIGNOTALIE, invalve Yakovlerich; MARGUAL, K., vedushchiy redaktor; KURSAK, Yu.

Vedushchiy redaktor; PATSALYUK, P., tekhoicheskiy redaktor

[Building materials and elemente] Stroital nye materialy i izdelija.

Izd. 2-oe, cerer. Siev.Gos.izd-vo tekhn.lit-ry USSR, 1957, 515 p.

(Building materials)

(MLRA 10:13)

22(1) 30V/3-59-4-10/42

AUTHORS: Kazakevich, D.M., Candidate of Economic Sciences; Larina, M.N.;

Chirkov, A.V., Candidate of Roomonic Sciences, Docent; Slobo-

dyanik, I. Ya., Candidate of Technical Sciences

TITLE: Our Readers Suggest

PERIODICAL: Vestnik vysshey shkoly, 1959, Hr 4, pp 33-34 (UDSR)

ABSTRACT: In order to raise the quality of exercises on economic subjects, D.M. Kazakevich and M.N. Larina of the Pomsk Electrome-

chanical Institute of RR Engineers suggest that some of the seminar exercises be conducted with the participation of plant engineers and economists. Such seminars were organized last year by the Chair of Political Economy of the Tomskiy politekhnicheskiy institut (Tomsk Polytechnical Institute) at the plants "Sibelektromotor", "Manometr" and others. It is advisable for the vuz instructors and the workers of the scientific-research institutions to establish scientific collectives

which will handle such problems. The economic chairs of the institutes of Novosibirsk, Tomsk and other Siberian waz centers

Card 1/3 could participate in scientific researches on themes of the

307/3-59-4-10/42

Our Readers Suggest

latest technical devices. The author considers it desirable that the various exhibitions furnish the vuxes with copies of new posters and photographs of equipment, catalogues, models or motion pictures. Plants turning out new laboratory and productional equipment should be requested to supply the laboratories of the respective vuxes with specimens of such equipment.

Card 3/3

SLOBODYANIK, I.Ya., kand.tekhn.nauk; LYSINA, L.B., inzh.

Cementless binders and concretes based on Aleksandriya brown-coal cinders. Stroi.nat. 5 no.11:38 N '59.

(Binding materials) (Cinder blocks)

SLOBODYANIK, Ignat Yakovlevich [Slobodianyk, I.IA.], kand.tekhn.nauk;

PASHKOV, Igor' Aleksandrovich [Pashkov, I.O.], kand.tekhn.nauk;

CHUPRUNENKO, Yekaterina Vasil'yevna [Chuprunenko, IE.V.], kand.

tekhn.nauk; CHERKASOV, Nikolay Antonovich [Cherkasov, M.A.], kand.

tekhn.nauk; LYSINA, Nina Borisovna, inzh.; RUBINOVICH, Esfir'

Abramovna, inzh.; PAL'CHIK, Petr Karpovich, inzh.; LITVINENKO,

Melan'ya Dmitriyevna, inzh.; SVARICHEVSKIY, Lyubomir Vladimirovich

[Svorychevs'kyi, L.V.], inzh.; OSOVSKAYA, I. [Osovs'ka, I.], red.;

ZELKNKOVA, Ye. [Zelenkova, IE.], tekhn.red.

[Local binding materials based on new raw materials of the Ukraine]
Mistsevi v'iazhuchi na novii syrovyni Ukrainy. Za zahal'noiu red.

I.IA.Slobodianyka. Kyiv, Derzh.vyd-vo lit-ry z budivnytstva i
arkhit.URSR, 1960. 115 p. (MIRA 13:10)

(Ukraine--Binding materials)

SLOBODYANIK, T. Ya.; ZHURAKOVSKAYA, L.V.

Precast mesh-reinforced ceramic products for rural construction. Strol. mat., det. i izd. no. 2:68-72 '65 (MIRA 19:1)

1. Kiyevskiy inzhenermo-stroitel'nyy institut.

SLOBODYANIK, N. J.

Seed Industry

Threshing, rubbing, and extracting vegetable seeds. Sel.i sem. 19, No. 6, 1952

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

SLOBODYANIK, N. I.

"Study of Physicomechanical and Biological Properties of Seeds of Vegetable Cultures, and Principles Underlying Processes of Their Separation." Moscow Order of Lenin Agricultural Academy imeni K. A. Timiryazev, Moscow, 1955. (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: M-972, 20 Feb 56

USSR/Cultivated Plants - Potatoes. Vegetables. Melons.

M

: Ref Zhur Biol., N. 12, 1958, 53625 Abs Jour

: Slobodyanik, N.I. Author

: Scientific Research Institute for Vegetable Raising Inst

: Determination of the Optimum Conditions for the Artifi-Title

cial Drying of Seeds of Vegetable Cultures.

: Dyul. nauchno-tekhn. inform. N.-i. in-ta ovoshchm. kh.-Oric Pub

va, 1957, 2, 12-16

: The effect of artificial drying conditions on the ger-Abstract

minating ability and the vigor of sprouting in cucumber and tonato seeds was studied in experiments in the laboratory dryer of VISKnOM (All-Union Scientific Research Institute of Agricultural Machinery), consisting of a drying chamber, an electric heater and a blast fam. The optimum temperature for the artificial drying was

Card 1/2

SIOBODYANIK, N.I. kand.sel skokhozyaystvennykh nauk

Using the qualitative differences in vegetative seeds as basis of their cleaning and grading. Agrobiologia no.5:134-137 S=0 '58.

(MIRA 11:11)

1. Nauchno-issledovatel'skiy institut ovoshchnogo khozyaystva, st. Perlovskaya, Moskovskaya oblast'. (Vegetables)

SLOBODYANIK, O.P. [Slobodianyk, G.P.]; MASLOV, Yu.V., dektor med. nauk, prof., otv. red.

[Forensic psychiatry] Sudova psykhiatriia. L'viv, Vyd-vo L'vivs'koho univ., 1963. 158 p. (MIRA 18:2)

1. Zaveduyushchiy kafedroy psikhiatrii L'vovskogo Gosudar-stvennogo meditsinskogo instituta (for Maslov).

FAYDYSH, A.N. [Faidysh, O.M.]; SLOBODYANIK, V.V. [Slobodianyk, V.V.]

Photoconductivity of anthracene. Visnyk Kyiv.un.no.2.Ser.fiz.ta
(MIRA 14:8)
khim. no.1:3-9 '59.
(Photoconductivity) (Anthracene-Electric properties)

\$/058/62/000/007/046/068 A061/A101

Baydish, O. M., Slobodyanik. V. V.

TITLE:

AUTHORS:

Dependence of photoconductivity in anthracene crystals on material,

shape and directivity of the electrodes

PERIODICAL:

Referativnyy zhurnal, Fizika, no. 7, 1962, 32, abstract 7E246 ("Visnyk Kylvs'k. un-tu", 1960 (1961), no. 3, ser. astron., fiz.ta

khimil, no. 2, 8 - 15, Ukrainian; Russian summary)

It is shown that as a result of the formation of barrier layers in crystal-electrode contact points, a significant short-circuit current may be observed in anthracene crystals. Owing to the variable character of the barrier TEXT: layers, the value of this current may change considerably from one specimen to another. The formation of a space charge in barrier layers tells mainly in the time dependence of photoconductivity under illumination. In some specimens photoconductivity drops considerably after 1 - 2 min of illumination. The presence of barrier layers is confirmed by the dependence of photoconductivity on polarity and by the existence of photo-emf. Investigations on electrodes made from Ag, Zn,

Card 1/2

s/058/62/000/007/046/068 A061/A101

Dependence of photoconductivity in...

Sn, Al, Bi, aquadag, and India ink have shown that the magnitude of photocurrent in good specimens does not substantially depend on the nature of the electrode material. An exception is Ga whose photocurrent is about five times less than that occurring with other electrodes. Photocurrent has been found to be about five times larger along the b-axis than along the a-axis. It is believed that the strong dependence of photocurrent on the crystallographic direction is associated with the existence of an intermolecular energy barrier which has to be overcome by holes in motion.

[Abstracter's note: Complete translation]

Card 2/2

ACCESSION NR: AP4040770

8/0021/64/000/006/0752/0756

AUTHOR: Zima, V. L., Slobodyany*k, V. V. (Slobodyanik, V.V.), Paydy*sh, C.H. (Faydy*sh, A. N.)

TITLE: Effect of oxygen on the photoconductivity and luminescence of anthracene crystals

SOURCE: AN UkrRSR. Dopovidi, no. 6, 1964, 752-756

TOPIC TAGS: Photoconductivity, intrinsic photoconductivity, luminescence, luminescence quenching, photocxide, cxidized enthracene, enthracene, naphthacene, phenazine, photoconductive quantum yield

ARSTRACT: The effect of oxygen on the photoconductivity and luminescence of anthracene crystals was studied between -170 and +90 C with light of wavelengths 3130, 3650 and 4050 A. The photoconductivity was found to increase (at all but the lowest temperatures) when the samples were exposed to oxygen; the luminescence was correspondingly quenched. The photoconductivity fell to its "vacuuc" value upon evacuation of gases only when the crystals were simultaneously illuminated. The rates of rise and fall of photoconductivity and luminescence quenching were dependent upon temperature and the intensity of illumination. These facts indicated a mechanism whereby excited anthracens molecules interact with oxygen

Card 1/3

•	an ionic complex: $A^{\circ}(\downarrow\uparrow) + O_{\circ}(\uparrow\uparrow) \rightarrow A^{+}(\uparrow) \cdot O_{\bullet}(\uparrow\downarrow\uparrow)$	(1)	
in exciton interact	tion scheme can also account for the vacuum rejuveration or		
oxidised crystals:	$A^{\bullet} + A^{+}O_{2}^{-} \rightarrow A^{+} + A + O_{2}^{-}$	(2)	
or,	$A^{+}O_{1}^{-} + A^{+} + A^{+} + O_{2} + A^{-}$	(3)	
From studying the t	temperature dependence of the photoluminescence quenching t tivation energy of 0.17±0.02EV was established.	page	
	tic one with the activation energy for photocomuctivity	, (40	
found in the literativity is not due that it is directly to the conclusion to intrinsic phenomena	his energy with the activation energy for photoconductivity ature) indicates that the thermal of the photocoto any temperature dependence of the movility of charges, by related to the formation of photocoides. Much evidence that the observed "vacuum" photoconductivity is, in fact, as Orig. art. has 3 numbered equations, 2 graphs and 1 tal	but points an	and the second s
found in the literativity is not due that it is directly to the conclusion to intrinsic phenomena	to any temperature dependence of the mobility of charges, to any temperature dependence of the mobility of charges, by related to the formation of photoconductivity is, in fact.	but points an	
found in the literativity is not due that it is directly to the conclusion to intrinsic phenomena	to any temperature dependence of the mobility of charges, and the formation of photocxides. Much evidence that the observed "vacuum" photoconductivity is, in fact, a. Orig. art. has 3 numbered equations, 2 graphs and 1 tal	but points an	

,	ACCESSION	NR: A	P4040770		,				•	
	SUBJUTTE): 030c1	L63		٠,			EN	CL: 00	
	SUB CODE			NO	ref sov	: 003		OTHE	R: 013	1
· 1.						1,				
. !								• •		
1										
. :	0									
	•									
:	Card 3/3									173 88 100 100 100 100
	• •	•								. !

EWT(1)/EWT(m)/EPF(c)/EWP(1)/EEC(t) Pc-4/Pz-6 AT/RM IJP(c) L 54033-65 UR/0076/65/039/005/1041/1051 ACCESSION NR: AP5033519 541.14 AUTHOR: Slobodyanik, V. V.; Faydysh, A. N. TITLE: Effect of oxygen on the photoconductivity of anthracene crystals SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 5, 1965, 1041-1051 TOPIC TAGS: anthracene crystal, photoconductivity, photocurrent ABSTRACT: The effect of oxygen on the magnitude, kinetics and current-voltage and light characteristics of the photocurrent in anthracene crystals was investigated. In an oxygen atmosphere, the photoconductivity in anthracene crystals is mainly due to the formation of an unstable form of photoconductive anthracene oxides. The photocurrent increases with rising oxygen pressure. Under illumination, the current intensity I changes exponentially with time, and the exponent is proportional to the intensity of the incident light L. It was found that light participates in the formation and breakdown of the photoconductive oxides. In oxygen or air, the dependence of I on the wavelength of the exciting light λ_e is chiefly determined Card 1/2

20	ACCESSION NR: AP5013519 by the change in the absorption coefficient, and in a vacuum, by the energy of the hyper change in the absorption coefficient, and in a vacuum, by the energy of the hyper change considerably. This	
	incident photons. Interesting and dependence of I on A change conductivity.	
	leads to the conclusion that the distriction of photoconduction of the A theory was advanced which accounts for the kinetics of photoconduction of the A theory was advanced which accounts for the kinetics of photoconduction will be a theory was advanced which accounts for the kinetics of photoconduction will be a the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the quantum yield for the pendence of I on L, and makes it possible to estimate the pendence of I on L, and makes it possible to estimate the pendence of I on L, and makes it possible to estimate the pendence of I on L, and makes it possible to estimate the pendence of I on L, and makes it possible to estimate the pendence of I on L, and the pende	
	formation of charge carriers. ASSOCIATION: Kiyevskiy gosudarstvennyy universitet im. T. G. Shevchenko (Kiev. State University) SUB CODE: OC, EM	
	SUBMITTED: 17Dec62 ENCL: 00	
	NO REF SOV: 009	
7. 大學		
	Card 2/2	. J.

	AP6030331	1				0/66/011/00	2/0161/016	55
AUTHOR:	Slobodyani	nikov, 8. 8.	; Chudakov,	A. D.; Pe	lipenko, V	. I.	. 5	_
		ological Ins					va)	\mathcal{B}
TITLE:	Electric s	imulation of	reciprocal	ly moving	fields			
		c–fi zi cheski		I .		161-165		
ABSTRACT Institut of field in the b	ERATURE I: An electe for simulate elements orake system described	ation, temperature are given.	og computer lems of fiel d. The prol ting rig is chematic dre	developed id theory i blem of det considered awing of the	by the Mos nvolving r ermining t and solve e network te drum in	cow Technol eciprocal m he thermal d by using analog com terms of th	ogical povements distribut: the analoguter and o	an l
SUB CODE	s: 09, 18/ <i>i</i>	SUBM DATE:	12Mar66/ OR	IG REF: 005	/ OTH REF	002		
					•			

SLOBODYANNIKOV, Sergey Stepanovich; YELIZAVETIN, M.A., kand.tekhn.nauk, nauchnyy red.; GAVRILOV, F.P., red.; RAKOV, S.I., tekhn.red.

[Ultrasonic processing of industrial products] Ultrasvukovaia obrabotka promyshlennykh izdelii. Moskva, Vses.uchebno-pedagog. izd-vo Trudrezervizdat, 1958. 100 p. (MIRA 12:4) (Ultrasonic waves--Industrial applications)

SELECTRANSITION, J. S. 14 "DURABILITY OF CYLINEER LININGS AND LISTON RINGS OF INTERNAL-CHIEGATION PAINTED ENGINEER." SUC 28 APR 52, MOSCOW ORDER OF LABOR RED BANKER HIGHER TECHNICAL SCHOOL THERE BANKAN (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES).

SU: VECHERRAYA PAGRYA, JANUARY-DECEMBER 1992

SLOBODYANNIKOV, S. S.

Udlinenie sroka sluzhby detalei sudovykh mekhanizmov (Lengthening time of service for ship machinery parts). Moskva, Morskoi tr.nsport, 1953. 268 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 9 December 1953

GARKUNOV, D.N., kandidat tekhnicheskikh nauk; SLOBODYANNIKOV, S.S., kandidat tekhnicheskikh nauk.

Effect of the hardening temperature of the strength and ductility of chromiumplated parts. Rech. transp. 13 no.1:35-36 Ja-F '53. (MLRA 6:11) (Chromium plating)

KRAGEL'SKIY, I.V.: VINOGRADOVA, I.E.: SLOBODYANNIKOV, S.S., kandidat tekhnicheskikh nauk; POPOVA, S.M., tekhnicheskiy redaktor.

[Coefficients of friction; a reference manual] Koeffitsienty treniia; spravochnoe posobie. Moskva, Gos. nauchno-tekhn.
izd-vo mashinostroit. lit-ry, 1955. 188 p. (MLRA 8:8)

(Friction)

SLOBODYAHNIKOV, S.S., kandidat tekhnicheskikh nauk

Metal fatigue from corrosion. Torf.prom. 32 no.3:20-22 '55. (MLRA 8:6)

 Moskovskiy torfyanoy institut. (Corrosion and anticorrosives)

SOV/137-57-6-10869

Translation from Referativnyy zhurnal, Metallurgiya, 1957, Nr 6, p 210 (USSR)

Slobodyannikov, S.S. AUTHOR:

Destruction of Metal Under the Combined Action of Stresses and an TITLE:

Aggressive Peat Medium (Razrusheniye metalla pri sovmestnom

deystvii napryazheniy i agressivnoy torfyanoy sredy)

V sb. Povysheniye iznosostoykosti i sroka sluzhby mashin. PERIODICAL:

Kiyev-Moscow, Mashgiz, 1956, pp 112-114

An investigation is made of the independent and combined effects of fatigue (F) and corrosion (C) on specimens of Nr 45 steel. In ABSTRACT:

studying the separate influence of these factors, the specimens are first placed in a corrosive medium (a suspension of peat and water) and then, after cleaning and drying, are subjected to the action of alternating bending stresses (AS) at a frequency of 1450 cps. The tests are run on a TsK-2 Kudryavtsev machine. Investigation of the C of metals subject to AS is done with the aid of a potentiometric circuit used to measure the electrode potentials of specimens of

metal directly in the process of testing for F. It is found that the

initial C has an insignificant effect upon the cyclic strength of metals. Card 1/2

SOV/137-57-6-10869

Destruction of Metal Under the Combined Action of Stresses (cont.)

MARINE PAR INCLUDE SANTAN NO SANTAN PARAMETER SANTAN SANTAN SANTAN SANTAN SANTAN SANTAN SANTAN SANTAN SANTAN S

However, the combined effect of an alternating load and the aggressive peat medium intensify the process of destruction of steel and sharply reduce cyclic strength. It is shown that, in a peat medium of pH 3.6 σ_W -60%, while when pH is 2.5, σ_W is 37% of that of Nr 45 steel in air. It is observed that metal subjected to AS in a corrosive medium is characterized by a σ_W that is merely a matter of convention, as the horizontal segment of the σ -N curve is lacking. The metal fracture due to corrosion F is brittle in appearance, and no ductility is evident. The phenomenon of corrosion F is tied to a reduction in the electrode potential of steel due to disruption of the protective oxide film. Deep destruction of the steel sets in because of continually repeated failures of the protective film and removal of the C products under the effect of AS.

L.G.

Card 2/2

SLOBODYAHMIKOV, S.S., inshemer.

Cawitation of hydropeat machinery. Terf.prem. 34 me.2:23-25 '57. (NIRA 10:3)

1. Moskevskiy terfyancy institut. (Cavitation) (Steel--Testing) (Peat machinery)

the state of the surface of the surf

· 25(1),(6);24(1) PHASE I BOOK EXPEDITATION SOV/2261

Slobodyannikov, Sergey Stepanovich

- Ul'trazvukovaya obrabotka promyshlennykh izdeliy (Ultrasonic Processing of Industrial Articles) Moscow, Trudrezervizdat, 1958. 100 p. (Series: Novaya tekhnika i peredovyye metody truda) 5,000 copies printed.
- Ed.: F.P. Gavrilov; Scientific Ed.: M.A. Yelizavetin, Candidate of Technical Sciences; Tech. Ed.: S.I. Rakov.
- PURPOSE: This booklet is intended for instructors and foreman of educational institutions for labor reserves. It may also be useful to industrial personnel interested in the application of ultrasonics in industry.
- COVERAGE: The author discusses the physical nature of ultrasound, generation of ultrasonic waves and the application of ultrasonics in metallurgy, casting, the metalworking industry, in the production of plastics, leather, rubber and glass, and in the quality control of products. Various types of ultrasonic transducers

Card 1/4